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(74) Agent: RUHR, Paula, Sanders; The Dow Chemical Company, Intellectual Property, P.O. Box 1967, Midland, MI 48641-1967 (US).

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(71) Applicant (for all designated States except IN, US): UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION [US/US]; 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).

(71) Applicant (for IN only): DOW GLOBAL TECHNOLOGIES INC [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SERAFIN, Juliana, G. [US/US]; 1534 Quarrier Street, Charleston, WV 25311 (US). LIU, Albert Cheng-Yu [US/US]; 1534 Quarrier Street, Charleston, WV 25311 (US). SEYEDMONIR, Seyed, R. [US/US]; 1604 Ravinia Road, Charleston, WV 25314 (US). SOO, Hwaili [US/US]; 116 Eastbridge Road, Charleston, WV 25314 (US). SZYMANSKI, Thomas

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(54) Title: CATALYSTS HAVING ENHANCED STABILITY, EFFICIENCY AND/OR ACTIVITY FOR ALKYLENE OXIDE PRODUCTION

(57) Abstract: A catalyst for the manufacture of alkylene oxide, for example ethylene oxide, by the vapor-phase epoxidation of alkene containing impregnated silver and at least one efficiency-enhancing promoter on an inert, refractory solid support, said support incorporating a sufficient amount of zirconium component (present and remaining substantially as zirconium silicate) as to enhance at least one of catalyst activity, efficiency and stability as compared to a similar catalyst which does not contain the zirconium component.